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Security Information

ENGINEERING INSPECTION REPORT

June 11, 1952

Place [redacted] 25X1

Date : June 3 to June 7, inclusive

Subject : Gasoline Motor Generator
Project #2028, RD-13

Purpose : To Observe Radio Interference Measurement Tests

Those Present : [redacted] 25X1

Observations:

The [redacted] has submitted a completed unit to the [redacted] for testing. Its dimensions are 6 1/2 X 7 1/3 X 8 inches and its weight, less fuel is, 11.7 pounds. After shielding all internal leads and by passing the output terminals with capacitors, both the radiated and conducted noise was decreased so as to meet specifications with the exception of conducted interference at 7 mcs. A reading of 16 micro-volts peak was measured at this frequency. The Hoffman Corporation intends to decrease this to meet specifications (5 micro-volts) before submitting the unit to us for testing and evaluation. STAT 25X1

The unit under test did not run smoothly, the output varying from 70 to 130 volts. [redacted] attributed this to a leaky valve in the pressure line to the gasoline tank, and a leaky carburetor float. On the second model to be submitted for testing, they have re-soldered the float and replaced the faulty valve with a ball check valve. They assured [redacted] that these measures would remedy the trouble. We observed this improved model undergoing a dynamometer test at [redacted] and it ran smoothly and consistently for thirty minutes. STAT 25X1 STAT

[redacted] also intends to decrease the size of the venturi opening in the carburetor to afford a smoother action of the choke control. At present, this adjustment is quite sensitive. 25X1

Shipment on the unit for test was promised by June 17, 1952.

[redacted] 25X1

WJG/kgs

cc: trip-conference reports

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